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AMERICAN  
PHYSICAL SOCIETY

CONSTITUTION  
AND BY-LAWS

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# CONSTITUTION AND BY-LAWS

AND

## LIST OF MEMBERS

OF THE

# AMERICAN PHYSICAL SOCIETY

JANUARY, 1907.

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PUBLISHED BY  
THE AMERICAN PHYSICAL SOCIETY  
JANUARY, 1907.



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E.V.

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# American Physical Society.

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## Officers for 1907.

EDWARD L. NICHOLS,	President
HENRY CREW,	Vice-President
ERNEST MERRITT,	Secretary
WILLIAM HALLOCK,	Treasurer

## Members of the Council.

EDWARD L. NICHOLS,	} Ex Officio.
HENRY CREW,	
ERNEST MERRITT,	
WILLIAM HALLOCK,	
W. S. FRANKLIN,	} Term expires December, 1907.
E. RUTHERFORD,	
J. S. AMES,	} Term expires December, 1908.
A. G. WEBSTER,	
R. A. MILLIKAN,	} Term expires December, 1909.
A. TROWBRIDGE,	
H. A. BUMSTEAD,	} Term expires December, 1910.
C. E. MENDENHALL,	

## ORGANIZATION.

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The first meeting of the American Physical Society was held in New York on May 20, 1899, the call for such a meeting having been made in a circular sent out, after consultation with numerous American physicists, by A. G. Webster of Clark University.<sup>1</sup> This first meeting, like all the New York meetings since, was held in Fayerweather Hall, Columbia University. LeRoy C. Cooley of Vassar College acted as chairman and A. G. Webster as Secretary. The meeting was devoted to the organization of the Society and to an extended discussion of its aims and policy. A Constitution and By-Laws were adopted, and officers elected.

At the second meeting, also held in New York, on October 28, 1899, the reading of papers on scientific subjects was begun and the first president of the society, Henry A. Rowland, delivered his presidential address,—“The Highest Aim of the Physicist.”

Five regular meetings of the Society are usually held each year. One of these, known as the Annual Meeting, is held during the Christmas Holidays, usually in affiliation with the American Association for the Advancement of Science. Of the other meetings one is in Chicago, one in Washington, and two in New York.<sup>2</sup> Upon various occasions special meetings of the Society have also been held<sup>3</sup>; for example at Denver in 1901, at Pittsburg in 1902, and at Ithaca in 1906, in connection with the meetings at those cities of the American Association for the Advancement of Science, and at St. Louis in 1904, in connection with the International Electrical Congress.

The Proceedings of the Physical Society were at first published in the “Bulletin of the American Physical Society,” which was issued quarterly under the direction of a board of editors consisting of J. S. Ames, M. I. Pupin, and Ernest Merritt. In all two volumes of the Bulletin were published. Beginning with the year 1903 the Proceedings have been pub-

<sup>1</sup> The final circular, which set the date for the first meeting, was signed by the following: A. G. Webster, Worcester; J. S. Ames, Baltimore; E. L. Nichols, Ithaca; Carl Barus, Providence; M. I. Pupin, New York; B. O. Peirce, Cambridge; W. F. Magie, Princeton.

<sup>2</sup> For further information regarding the time and place of meetings, see p. 14.

<sup>3</sup> See list of meetings. p. 14.

lished in the Physical Review, which is now received by all members of the Society.

In 1903 an arrangement was made with the publishers of Science Abstracts by which all members of the Physical Society also receive the pure science part of Science Abstracts.

An amendment to the By-Laws in 1904 made possible the election of Associate Members, who have the same privileges as Regular Members except that they may not vote nor hold office.

The membership of the Society (January, 1907) includes five Honorary Members, 287 Regular Members, and 142 Associate Members.

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#### GENERAL ANNOUNCEMENTS.

*Time and Place of Meetings.* Regular meetings of the Society will ordinarily be held at the places and times stated below. If for any reason changes are necessary announcement will be made well in advance.

*New York.* On the Saturday falling nearest to October 15.

*Chicago.* On the Friday and Saturday following Thanksgiving.

*Annual Meeting.* Held during the Christmas Holidays. Will usually occur in affiliation with the American Association for the Advancement of Science.

*New York.* On the Saturday falling nearest to March 1.

*Washington.* Usually in the third week of April.

*The Reading of Scientific Papers* Article XII of the By-Laws requires that "papers intended for presentation at any meeting or sectional meeting of the society shall be passed upon in advance of the meeting by a program committee appointed by the Council; and only such papers shall be presented as shall have been approved by such committee." The Council has appointed the president and secretary as *ex officio* members of this committee. Titles and abstracts of papers should be sent to the Secretary early, since the program will be mailed to members approximately ten days before the date of each meeting. The Council has directed that *no title is to be placed on the program until an abstract is in the hands of the Secretary.* This preliminary abstract need not be in shape for publication, but should indicate clearly the general character of the paper. Members are also requested to state the time required for the presentation of each paper. If the

time is not stated by the author the time announced on the program will be fifteen minutes.

*Publication of Abstracts.* Abstracts of papers presented to the Society will be published in the *Physical Review* as promptly as possible. Such abstracts as are in the hands of the Secretary, ready for publication, before the meeting at which the papers are read will appear in the next following number of the *Review*, [*e.g.*, the abstract of a paper presented at the meeting held on the last Saturday in October will appear in the December number of the *Review*. It would be impossible for such an abstract to appear in November since this number of the *Review* would be in press at the time of the meeting.] In the case of abstracts which require illustration, or which reach the Secretary late, delay in publication is probable, although every effort will be made to secure promptness.

*Changes of Address.* Members are requested to notify the Secretary of any change in their address, in order that *Science Abstracts* and the *Physical Review*, as well as the various announcements concerning the Society, may reach them promptly.

*Arrangement with the Physical Review.* The following is a brief statement of the agreement between the Physical Society and the *Physical Review*, which went into effect January, 1903: (1). The minutes of the meetings of the Physical Society and the abstracts of papers presented to the Society are to be published in the *Physical Review*. (2) The *Physical Review* is furnished to the Society at a reduced rate, and is sent regularly to all members in good standing, payment being made by the Treasurer of the Society. (3) Certain changes in the title page of the *Review*, indicating the coöperation of the Physical Society, were made.

*Arrangement with Science Abstracts.* Beginning with 1903 Section A of *Science Abstracts* has been furnished to all members of the Physical Society in good standing, payment being made at a reduced rate by the Treasurer. The name of the American Physical Society appears upon the title page as one of the societies coöperating with the Physical Society of London and the Institution of Electrical Engineers in issuing *Science Abstracts*. Members of the Physical Society may obtain Section B of *Science Abstracts* at the rate of \$2.00 a year, payment being made through the treasurer of the Physical Society.

*Associate Membership.* The change in the By-Laws making possible the Election of Associate Members was adopted February 27, 1904, in order to extend the advantages of membership in the Physical Society to a larger number of persons.

It is the policy of the Council to elect to regular membership only such persons as have contributed to the advance of Physics by independent research. Cases may arise where some other special service to the cause of the science may be looked upon as equivalent to investigation; but the general policy is to make election to regular membership depend upon the accomplishment of independent and important investigation work in Physics.

In recommending to the Society the establishment of associate membership, the Council had especially in mind the following classes of desirable members: (1) Members of the instructing staff of colleges and universities, or graduate students specializing in Physics, who have not yet completed sufficient investigation work to warrant election to regular membership; (2) teachers of Physics in High Schools and Secondary Schools, whose investigation work is not yet sufficient for regular membership; (3) persons engaged in lines of work related to Physics, for example, engineering, chemistry, mathematics, astronomy, etc.; (4) persons who are not professionally engaged either in Physics or in related lines, but whose interest and activity in the science are such as to make them desirable members. Associate members will pay the same dues as regular members (five dollars annually) and will have all the privileges of membership except that they may not vote nor hold office. They will, for example, receive the two publications now furnished by the society to its members.

Associate members may be transferred to regular membership by action of the Council whenever they have completed research work of such character as to warrant such transfer.

It is not the policy of the Society to make election to associate membership a mere formality. On the contrary there is a strong feeling that the Society would best accomplish its object in 'promoting the advance and diffusion of the knowledge of physics' by maintaining a high standard for both regular and associate membership.

## CONSTITUTION.

### ARTICLE I.

This Society shall be called the American Physical Society.

### ARTICLE II.

The object of the Society shall be to promote the advancement and diffusion of the knowledge of physics.

### ARTICLE III.

The officers of the Society shall be a President, a Vice-President, a Secretary, and a Treasurer.

### ARTICLE IV.

The officers of the Society, together with eight other members, shall constitute a Council, which shall have general charge of the affairs of the Society.

### ARTICLE V.

1. The officers of the Society and other members of the Council shall be elected by ballot at the Annual Meeting of each year. An official ballot shall be sent to each member at least one month prior to the Annual Meeting, and such ballots, if returned to the Secretary in envelopes bearing the names of the voters, shall be counted at the Annual Meeting. Each such ballot shall contain a name proposed by the Council for each vacancy, with blank spaces in which the voter may substitute other names. A majority of all votes cast in person or by mail shall be necessary to election. In case of failure to secure a majority for any office, the members present at the Annual Meeting shall choose by ballot between the two having the highest number of votes. The term of office shall be one year for officers and four years for other members of the Council, and until their successors shall be elected. No member shall be elected as President more than two years in succession. No elected member of the Council having com-

pleted a term of four years, shall be re-elected until at least one year shall have intervened.

2. If an office for any reason becomes vacant, it shall be filled by the Council. If any elected member of the Council die or resign more than one year before the expiration of his term, the vacancy for the unexpired term shall be filled by the Society at the next annual meeting.

## ARTICLE VI.

This Constitution shall not be amended unless notice of the proposed amendment be sent by mail to every member of the Society at least four weeks in advance of the meeting at which such amendment is to be considered; and such amendment in order to be adopted must receive two thirds of the votes cast in person and by mail.

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## BY-LAWS.

### I.

1. The membership of the society shall consist of regular members, honorary members, and associate members.

2. For the election of a new member to the society, either regular, honorary, or associate, or for the transfer of an associate member to regular membership, it shall be necessary that a proposition in due form signed by two members of the Society shall be presented at a meeting of the Council, and that at a subsequent meeting of the Council the person named in such proposition shall receive the favorable ballots of a majority of the members present.

3. Associate members are entitled to all the privileges of regular members except that they may not vote nor hold office.

### II.

1. The annual dues of regular and associate members shall be five dollars payable on the 1st of January. Each new regular or associate member, if elected before July 1, shall pay the full dues

for the year ; if elected after July 1, he shall pay two dollars and a half for the half year. Should the annual dues of any member remain unpaid beyond a reasonable time, the Council shall remove his name from the list of members, after due notice.

1. Newly elected regular members, or members transferred from associate to regular membership, shall pay an entrance fee of three dollars.

### III.

1. On the payment of fifty dollars in one sum, any member may become a life member and shall thereafter be exempt from all annual dues.

2. Life members shall receive free for the period of five years any journal or journals obtained by the Society for its members. At the end of five years life members may obtain such journals through the Society at cost.

### IV.

Four regular meetings shall be held each year, at such times and places as shall be ordered by the Council. The meetings shall ordinarily be held in New York. One of these, to be called the Annual Meeting, shall be held on such day as the Council may decide upon between the 26th and the 31st of December inclusive.

### V.

Notice of the time and place of each meeting shall be sent by the Secretary to such members of the Society as may request it.

### VI.

The order of business at the meetings of the Society shall be as follows :

1. Reading of the minutes.
2. Recommendations and reports.
3. Elections.
4. Miscellaneous business.
5. Presentation and discussion of papers previously announced.
6. Any other scientific communications.

## VII.

No question relative to administration shall be considered at any meeting, except the Annual Meeting, without the recommendation of the Council.

## VIII.

1. The President shall convoke the Council whenever the affairs of the Society require it.
2. A request in writing from two members of the Council shall render the convocation obligatory.

## IX.

1. The Society shall issue an occasional publication to be called the **BULLETIN OF THE AMERICAN PHYSICAL SOCIETY**. It shall contain reports of the meetings, with such notices of the papers read or presented as may be sufficient to indicate their nature and contents.

2. The publication of this **BULLETIN** shall be the duty of the Council, which may appoint not more than three of its members to serve as a Board of Editors.

## X.

It shall be the duty of each President to deliver an address before the Society at the Annual Meeting next succeeding his first election as President of the Society.

## XI.

Whenever it shall appear to the Council that a sufficient number of members of the Society are desirous of conducting in any locality periodic meetings for the reading and discussion of physical papers, the Council may authorize the formation of a Section to be composed at each sectional meeting of such members of the Society as may be present; and the Council shall have the right to withdraw such authorization.

## XII.

Papers intended for presentation at any meeting or sectional meeting of the Society shall be passed upon in advance of the

meeting by a program committee appointed by or under the authority of the Council; and only such papers shall be presented as shall have been approved by such committee. Papers in form unsuitable for publication, if accepted for presentation, shall be referred to on the program as preliminary communications or reports.

### XIII.

No by-law shall be enacted, amended, or suspended, except by a two-thirds vote of the members present at a meeting of the Society, and upon the recommendation of the Council.

PAST OFFICERS OF THE PHYSICAL SOCIETY.

*Presidents.*

1899-1900	.	.	HENRY A. ROWLAND
1901-1902	.	.	ALBERT A. MICHELSON
1903-1904	.	.	ARTHUR G. WEBSTER
1905-1906	.	.	CARL BARUS

*Vice-Presidents.*

1899-1900	.	.	ALBERT A. MICHELSON
1901-1902	.	.	ARTHUR G. WEBSTER
1903-1904	.	.	ELIHU THOMSON
1905	.	.	D. B. BRACE
1906	.	.	E. L. NICHOLS

*Secretary.*

1899-	.	.	ERNEST MERRITT
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*Treasurer.*

1899-	.	.	WILLIAM HALLOCK
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*Elected Members of the Council.*

H. S. CARHART,	.	.	.	.	.	1899-1900
M. I. PUPIN,	.	.	.	.	.	
W. F. MAGIE,	.	.	.	.	1899-1901, 1902-1906	
B. O. PIERCE,	.	.	.	.	.	1902-1906
A. G. WEBSTER,	.	.	.	.	.	1899-1901
C. L. HASTINGS,	.	.	.	.	.	1899-1902
A. L. KIMBALL,	.	.	.	.	.	1901-1902
J. S. AMES,	.	.	.	.	.	1899-1903
E. L. NICHOLS,	.	.	.	.	.	
HENRY CREW,	.	.	.	.	.	1901-1904
E. B. ROSA,	.	.	.	.	.	
CARL BARUS,	.	.	.	.	.	1902-1904
D. B. BRACE,	.	.	.	.	.	
PRCIVAL LEWIS,	.	.	.	.	.	1905
FRANCIS E. NIPHER,	.	.	.	.	.	
E. H. HALL,	.	.	.	.	.	1902-1906

MEETINGS OF THE PHYSICAL SOCIETY.

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1. New York-----	May 20, 1899
2. New York-----	Oct. 28, 1899
3. New York-----	Dec. 28, 1899
4. New York-----	Feb. 24, 1900
5. New York-----	April 28, 1900
6. New York-----	June 25-30, 1900 <sup>1</sup>
7. New York-----	Oct. 27, 1900
8. New York-----	Dec. 27, 1900
9. New York-----	Feb. 23, 1901
10. New York-----	April 27, 1901
11. Denver-----	Aug. 20, 1901 <sup>1</sup>
12. New York-----	Oct. 26, 1901
13. New York-----	Dec. 27, 1901
14. New York-----	Feb. 22, 1902
15. New York-----	April 18, 1902
16. Pittsburg-----	July 2, 1902 <sup>1</sup>
17. New York-----	Oct. 25, 1902
18. Washington-----	Dec. 31, 1902, and Jan. 1, 1903 <sup>1</sup>
19. New York-----	Feb. 28, 1903
20. New York-----	April 25, 1903
21. New York-----	Oct. 31, 1903
22. St. Louis-----	Dec. 30, 1903 <sup>1</sup>
23. New York-----	Feb. 27, 1904
24. Washington-----	April 22-3, 1904
25. St. Louis-----	Sept. 16, 1904 <sup>2</sup>
26. Philadelphia-----	Dec. 30, 1904 <sup>1</sup>
27. New York-----	Feb. 25, 1905
28. Chicago-----	April 21-2, 1905
29. New York-----	Oct. 28, 1905
30. New York-----	Dec. 29-30, 1905
31. New York-----	Feb. 24, 1906
32. Washington-----	April 20-21, 1906
33. Ithaca-----	June 29-July 3, 1906 <sup>1</sup>
34. Chicago-----	Dec. 1, 1906
35. New York-----	Dec. 27-29, 1906 <sup>1</sup>

<sup>1</sup>A joint meeting with Section B of the American Association for the Advancement of Science.

<sup>2</sup>In connection with Section A of the International Electrical Congress.

## LIST OF MEMBERS.

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### FOREIGN HONORARY MEMBERS.

LORD KELVIN. (15) Glasgow, Scotland.  
SVANTE ARRHENIUS. (25) Stockholm, Sweden.  
V. F. K. BJERKNES. (31) Stockholm, Sweden.  
H. A. LORENTZ. (33) Leiden, Holland.  
EMIL WIECHERT. (33) Goettingen, Germany.

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### REGULAR MEMBERS.

ABBE, CLEVELAND. (1)\* Professor of Meteorology; U. S. Weather Bureau, Washington, D. C.  
ADAMS, EDWIN P. (22) Assistant Professor of Physics, Princeton University; Princeton, New Jersey.  
ALLEN, FRANK. (20) Professor of Physics, University of Manitoba, Winnipeg, Canada.  
ALMY, FRANK F. (24) Professor of Physics in Iowa College; 436 East St., Grinnell, Iowa.  
ALMY, JOHN EDWIN. (20) College Teacher, University of Nebraska, (Physics); Station A, Lincoln, Nebraska.  
AMES, JOSEPH S. (1) Professor of Physics, Johns Hopkins University; Baltimore, Md.  
ANDREWS, WM. C. (1) Engineer; Stanley Instrument Co., Great Barrington, Mass.  
ANTHONY, WILLIAM A. (4) Professor of Physics; Cooper Union, New York City.  
AUSTIN, LOUIS WINSLOW. (4) Bureau of Standards; Bureau of Standards, Washington, D. C.  
AYRES, BROWN. (4) President University of Tennessee; University of Tennessee, Knoxville, Tenn.  
BANCROFT, WILDER D. (1) Professor of Physical Chemistry, Cornell University; 7 East Avenue, Ithaca, N. Y.  
BARKER, GEORGE F. (4) Emeritus Professor of Physics, University of Pennsylvania; 3909 Locust St., Philadelphia, Pa.  
BARNES, HOWARD TURNER. (14) Associate Professor of Physics; McGill University, Montreal.

\* Number of the meeting when election occurred.

BARNES, JAMES P., (27) Associate in Physics, Bryn Mawr College ; Bryn Mawr, Penna.

BARNETT, S. J. (20) Professor of Physics, Tulane University of Louisiana ; Tulane University of Louisiana, New Orleans, La.

BARUS, CARL. (1) Hazard Professor of Physics, Brown University ; Providence, R. I.

BASQUIN, OLIN H. (23) Associate Professor of Physics ; Northwestern University, Evanston, Ill.

BATES, FREDERICK J. (23) Scientist National Bureau of Standards ; Bureau of Standards, Washington, D. C.

BAUER, L. A. (4) Director, Department Terrestrial Magnetism, Carnegie Institution of Washington ; The Ontario, Washington, D. C.

BEACH, FREDERICK E. (1) Assistant Professor Physics ; Yale University, New Haven, Conn.

BECKER, GEORGE F. (30) Geologist-in-charge of the Division of Chemical and Physical Researches ; U. S. Geological Survey, Washington, D. C.

BEDELL, FREDERICK. (1) Professor of Applied Electricity ; Cornell University, Ithaca, N. Y.

BELL, ALEXANDER GRAHAM. (35) Washington, D. C.

BENTON, J. R. (13) Professor of Physics and Electrical Engineering, University of the State of Florida ; Gainesville, Florida.

BLACKWELL, H. L. (18) Graduate Student ; 19 Perkins Hall, Cambridge, Mass.

BLAKER, ERNEST. (20) Assistant Professor of Physics, Cornell University ; 402 Oak Ave., Ithaca, N. Y.

BLAKE, FREDERIC C. (22) Tyndall Fellow, Columbia University, 1904-07 ; Dorotheenstrasse 36, Pension von Engelbrecht, Berlin, N. W. F.

BLAKE, LUCIEN IRA. (4) Consulting Engineer and Physicist, Submarine Signal Co. ; 88 Broad St., Boston, Mass.

BLISS, W. J. A. (2) Collegiate Professor Physics, Johns Hopkins University ; Johns Hopkins University, Baltimore, Md.

BISSING, WM. F. (22) 49 Wall St., New York.

BOLTWOOD, BERTRAM B. (30) Sheffield Scientific School of Yale Univ., New Haven, Conn.

BOYNTON, WILLIAM PINGRY. (28) Professor of Physics, University of Oregon ; 135 E. 11th St., Eugene, Oregon.

BRACKETT, C. F. (2) Professor of Physics, Princeton University, Princeton, N. J.

BRASHEAR, JOHN A. (31) Allegheny, Pa.

BRIGGS, LYMAN J. (4) U. S. Department of Agriculture ; 3451 Mt. Pleasant St., Washington, D. C.

BRONSON, HOWARD L., (31) Macdouald Physics Building, McGill University, Montreal, Canada.

BRYANT, ERNEST C. (4) Professor of Physics and Mathematics ; Middlebury College, Middlebury, Vermont.

BUMSTEAD, HENRY ANDREWS. (1) Professor of Physics, Yale University ; 45 Edgehill Road, New Haven, Conn.

BUCKINGHAM, EDGAR. (20) Assistant Physicist ; Bureau of Standards, Washington, D. C.

BURGESS, GEORGE K., (24) Associate Physicist ; Bureau of Standards, Washington, D. C.

BURBANK, JOHN E. (33) Observer in charge Chittenham Magnetic Observatory, C. and G. Survey ; Chittenham, Maryland.

CADY, WALTER G. (18) Associate Professor of Physics, Wesleyan University ; 100 High St., Middletown, Conn.

CARHART, HENRY S. (1) Professor of Physics, University of Michigan ; Ann Arbor, Mich.

CARMAN, A. P. (2) Professor of Physics, University of Illinois ; Urbana, Ill.

CARTMEL, WILLIAM BELL. (23) Fellow in Physics, Harvard University ; Jefferson Physical Laboratory, Harvard University, Cambridge, Mass.

CHAMBERLAIN, CLARK W. (28) Professor of Physics, Denison University ; Granville, Ohio.

CHANT, C. A. (4) University of Toronto ; Toronto, Canada.

CHILD, C. D. (20) Professor of Physics, Colgate University ; Hamilton, N. Y.

CLARK, ARTHUR L. (13) Professor of Physics, Queen's University ; 217 William St., Kingston, Ontario.

COBLENTZ, WILLIAM W. (29) Laboratory Assistant, Bureau of Standards ; Washington, D. C.

COFFIN, JOSEPH GEORGE, (20) Teacher, College of the City of New York ; 6-8 Charles St., New York City.

COLE, ALFRED D. (20) Professor of Physics, Ohio State University ; Ohio State University, Columbus Ohio.

COLEMAN, J. T. (12) Professor of Physics, South Carolina Military Academy, The Citadel, Charleston, S. C.

COOLEY, LEROY C. (1) Professor of Physics, Vassar College ; No. 2 Reservoir Sq., Poughkeepsie, N. Y.

COOK, H. L. (20) The Nassau Club, Princeton, N. J.

COOK, S. R. (20) Care Dresden Bank, Berlin, Germany.

COX, JOHN (17) Professor of Physics in McGill University, Montreal; 241 University St., Montreal.

CRAWFORD, MORRIS B. (1) Professor of Physics; Wesleyan University, Middletown, Conn.

CREHORE, DR. A. C. (31) 48 Lincoln Terrace, Yonkers, N. Y.

CREW, HENRY. (2) Professor of Physics, Northwestern University; Evanston, Illinois.

CROCKER, FRANCIS B. (2) Professor of Electrical Engineering, Columbia University, New York.

CROSS, CHARLES R. (4) Thayer Professor of Physics, Massachusetts Institute of Technology, Boston, Mass.

CURTIS, HEBER D. (31) Astronomer, D. O. Mills Observatory; Casilla 1219, Santiago, Chili.

DANA, E. S. (2) Professor of Physics, Yale University, New Haven, Conn.

DAVIS, BERGEN. (1) Columbia University, New York.

DAVIS, H. N. (22) 27 Perkins Hall, Cambridge, Mass.

DAY, ARTHUR L. (24) Physical Geologist U. S. Geological Survey; 1330 F St., Washington, D. C.

DAY, WILLIAM SCOFIELD. (1) Tutor in Physics at Columbia University; 337 West 87 St., New York, N. Y.

DICKINSON, HOBERT C. (33) Assistant Physicist, Bureau of Standards; Bureau of Standards, Washington, D. C.

DORSEY, N. ERNEST. (2) Assistant Physicist in the Bureau of Standards; 1775 California Ave., N. W., Washington, D. C.

DOUBT, THOMAS E. (35) Armour Institute of Technology, Chicago, Ill.

DOUTY, D. E. (4) Assistant Physicist; Bureau of Standards, Washington, D. C.

DREW, E. R. (23) Assistant Professor of Physics, Stanford University; 551 Addison Ave., Palo Alto, California.

DUANE, WILLIAM. (4) Professor of Physics, University of Colorado, Boulder, Colo.

DUFF, A. WILMER. (30) Professor of Physics, Worcester Polytechnic Institute; 2 Harvard Place, Worcester, Mass.

EARHART, ROBERT F. (28) Ohio State University, Columbus, Ohio.

EDDY, HENRY T. (26) Dean of the Graduate School, and Professor of Engineering and Mechanics; University of Minnesota, Minneapolis, Minn.

EDMONDSON, THOMAS WILLIAM. (1) Professor of Mathematics, New York University; University Heights, New York City.

EDMUND, CHARLES KEYSER. (20) Professor of Physics, Canton Christian College, Honglok, via Canton, China.

EWELL, ARTHUR W. (13) Assistant Professor of Physics; Worcester Polytechnic Institute, Worcester, Mass.

FASSIG, OLIVER L. (31) Research Director, U. S. Weather Bureau; Mt. Weather Observatory, Bluemont, Va.

FERRY, ERVIN S. (20) Professor of Physics at Purdue University; Lafayette, Ind.

FISCHER, LOUIS A. (20) Associate Physicist in charge of Weights and Measures Division; Bureau of Standards, Washington, D. C.

FOLEY, A. L. (4) Professor of Physics, University of Indiana, Bloomington, Indiana.

Fox, WILLIAM. (4) Associate Professor of Physics; The College of the City of New York.

FRANKLIN, WM. S. (2) Professor of Physics, Lehigh University, South Bethlehem, Pa.

GALE, Henry G. (27) Instructor in Physics; University of Chicago.

GATES, FANNY COOK. (20) Professor of Physics; The Woman's College, Baltimore, Md.

GILBERT, NORMAN E. (14) Assistant Professor of Physics; Dartmouth College, Hanover, N. H.

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